	Application No.	Applicant(s)
Notice of Allowability	09/242,383	MYERS, NICHOLAS SIMON
	Examiner	Art Unit	
	Ted T. Vo	2122	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *6/23/04*.

2. ☒ The allowed claim(s) is/are *75-106 (renumbered as 1-32)*.

3. ☐ The drawings filed on _____ are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☒ All   b) ☐ Some*   c) ☐ None of the:

      1. ☒ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☒ to Paper No./Mail Date *4*.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

      Paper No./Mail Date _____.

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☐ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

1.   The Amendment After Final filed on 6/24//04 has been fully considered. The arguments given in

Remarks section (pages 7-9) to the Claims 75-106 are persuasive, and overcome the rejection under the

closest arts of record, Henricson et al., "Programming in C++ Rules and Recommendations", in view of

Cowlishaw, "The REXX Language A practical Approach to Programming" and Michel, "Getting Started

with Object REXX". The rejection that made final to Claims 75-106, mailed date 4/20/04, is withdrawn.

Reasons for Allowance

2.   Claims 75-106 are allowed.

        Prior art of record, Henricson et al., discloses classes in string class are used by other defined

classes such as "Class buffer" for handing strings in a buffer;

        Prior art of record Cowlishaw discloses REXX language using a set of built-in functions for

manipulating strings; and

        Prior art of record Michel develops, Object Oriented REXX developed from REXX language.

        As pointed out by Applicants that Henricson's teaching is to define one style of programming in

C++, and does not teach all objects of the string class that are handled in each recited step (a), (b) and

(c) of independent Claims 75, 85 and 96 (re: Remarks: page 8, second paragraph), and as pointed out by

Applicants that Cowlishaw and Michel merely teach programming REXX used as a command interpreter

to tailor already existed operating systems (re: Remarks: page 8, third paragraph).

        Therefore, the following is an examiner's statement of reasons for allowance:

The cited prior arts taken alone or in combination fail to teach the claims to a computing device, a

method, and computer software that is programmed to manipulate or access objects of the string class

used in an object oriented system, comprising at least features:

        "(a) objects of the string class for literal text are handled as belonging to a class in which a pointer

points to the memory location where the text string is store;

(b) objects of the string class for length limited text are handled as belonging to a class in which a buffer stores text of a predetermined length requiring a limited subset of available memory management functions;

(c) objects of the string class using heap memory are handled as belonging to a class requiring the full set of available memory management functions", as recited in such manners in independent Claims 75, 85, and 96.
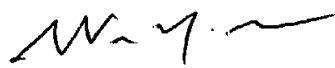
3.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (703) 308-9049. The examiner can normally be reached on 8:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q Dam can be reached on (703) 305-4552. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTV
Patent Examiner
Art Unit: 2122
July 29, 2004

WEI Y. ZHEN
PRIMARY EXAMINER